First Action Interview Pilot Program Pre-Interview Communication	Application No. 10/589,323	Applicant(s) WU ET AL.	
	Examiner BABAR SARWAR	Art Unit 2617	Page 1 of

-The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address -

THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **ONE MONTH OR THIRTY (30) DAYS,** WHICHEVER IS LONGER, FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only ONE additional MONTH. This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

Applicant must, within the time period for reply, file: (1) A letter requesting not to have a first action interview; (2) A reply under 37 CFR 1.111 waiving the first action interview and First Action Interview Office Action; or (3) An Applicant Initiated Interview Request Form (PTOL-413A) electronically via EFS-Web, accompanied by a proposed amendment or arguments, and schedule the interview within 2 months from the filing of the request. A failure to respond to this communication will be treated as a request not to have an interview. If applicant waives the First Action Interview Office Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. The next subsequent Office action may be made final if appropriate. See MPEP 706.07(a).

Disposition of Claims

3)☒ Claim(s) *1-11,39-40,42,45-49, 51* is/are pending in the application.

3a) Of the above claim(s) _____ is/are withdrawn from consideration.

4)☐ Claim(s) _____ is/are allowed.

5)☒ Claim(s) *1-11,39-40,42,45-49, 51* is/are rejected.

6)☐ Claim(s) _____ is/are objected to.

7)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

8)☐ The specification is objected to by the Examiner.

9)☒ The drawing(s) filed on *14 August 2006* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

10)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

11)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

Contact Information

Examiner's Telephone Number: (571)270-5584
Examiner's Typical Work Schedule: MONDAY TO FRIDAY 09:00 A.M -05:00 P.M
Supervisor's Name: NICK CORSARO
Supervisor's Telephone Number: (571)272-7876

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *09/10/2007,02/09/2007*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

First Action Interview Pilot Program Pre-Interview Communication	Application No. 10589323	Applicant(s) WU ET AL.	
	Examiner BABAR SARWAR	Art Unit 2617	Page 2 of 2

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
1	1, 2, 39, 40, 51	A+B	103(a)	Wheatley teaches a distributed base station system comprising: a base band unit (BBU), configured to comprise: a Main Processing (& Timing unit which comprises a main processing unit and a clock unit,a transmission unit, and an interface configured to intercommunicate data with an external unit,
2	3	A+B	103(a)	Wheatley further teaches wherein the base station system comprises a plurality of BBUs, and the BBUs are interconnected with each other via wire cables or optical fibers; the interface unit of each BBU comprises: a primary capacity expansion configured to
3	4,6, 45, 47	A+B	103(a)	Wheatley teaches wherein the primary capacity expansion interface comprises a primary capacity expansion interface that provides an active/standby switchover control signal (See Wheatley e.g., ¶ [0003], Fig. 2)
4	5,7-11, 42, 46,47	A+B	103(a)	Wheatley teaches wherein the interface unit further comprises an identification interface for marking the type of the base station and the position of the BBU (See Wheatley e.g., the channel cards ¶ [0003], Fig. 2). Posti teaches a plurality if BBUs and .
5	48-49	A+B+C	103(a)	Kim teaches wherein the signal input interface comprises at least one of a signal input interface for receiving GPS synchronous clock signals and a signal input interface for receiving 2M synchronous clock signals (See Kim e.g., Col. 5:44-51, Fig. 3)

Expanded Discussion/Commentary

1		intercommunicate master control information wit the main processing unit. wherein the interface unit comprises a primary base band radio frequency (RF) interface; and the interface unit is integrated with the main processing unit & Timing unit, and the transmission unit; and a radio frequency Unit (RFU), wherein the RFU comprises a secondary base band RF interface of the BBU (See Wheatley e.g., ¶ [0003]-¶ [0007], Fig. 2 elements 250, 201-206, 260, 270). Howerever, Wheatley is silent about a base band signal processing unit.
1		Posti teaches a base band signal processing unit (See Posti e.g., Col. 1:18-27, Col. 8-67, Col. 3:7-67, Col. 4:1-28, and Fig. 1). Therefore. it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide above teachings of Posti to Wheatley for the purpose of generating, supplying base signals and estatlishing a radio communication as suggetsed (See Posti e.g., Col. 1:18-27).
2		configured to transmit synchronous clock signals, base band information, transmission information and the master control information among BBUs, and to achieve interconnection and data sharing among BBUs (See Wheatley e.g., ¶ [0003]-¶ [0007], Fig. 2 elements 250, 201-206, 260, 270). on the other hand, Posti teaches a plurality of BBUs (See Posti e.g., Col. 1:18-27, Col. 8-67, Col. 3:7-67, Col. 4:1-28, and Fig. 1).
4		switching matrix (See Posti e.g., Col. 1:18-27, Col. 8-67, Col. 3:7-67, Col. 41-28, and Fig. 1)
5		Therefore. it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide above teachings of Kim to Posti, Wheatley for the purpose of synchronizing as suggetsed (See Posti e.g., Col. 6:48-59).

DATE:	/KAMRAN AFSHAR/	/BABAR SARWAR/
8/12/2010	Primary Examiner, Art Unit 2617	Examiner, Art Unit 2617